

**Listing of Claims:**

1. (Currently Amended) A method of purifying air comprising withdrawing air from an enclosed space, passing the withdrawn air over surfaces coated with a[n] non-volatile antimicrobial agent, through an ultraviolet radiation, and returning the thus irradiated air to the enclosed space.
2. (Original) A method according to claim 1, and comprising filtering the withdrawn air.
3. (Original) A method according to claim 1, and comprising causing turbulence to the air flow prior to passing the withdrawn air through ultraviolet radiation.
4. (Currently Amended) A method according to claim 1, wherein the [agent is an antimicrobial substance] surfaces are coated with a quaternary amine in a silane.
5. (Cancelled)
6. (Currently Amended) Apparatus for purifying air comprising means (3) for withdrawing air from an enclosed space (1), ducting (4) for directing withdrawn air through a unit including an ultraviolet radiation section (5) for irradiating the withdrawn air and thence back to an air inlet (8) arranged to communicate with the enclosed space, the unit having at least one of its internal surfaces coated with a[n] non-volatile antimicrobial agent.
7. (Original) Apparatus according to claim 6, and comprising a filter (6a) for filtering the withdrawn air.
8. (Currently Amended) Apparatus according to claim 6, and comprising [means]a pre-sterilization section (6b)[ for causing the air flow to separate into a number of various paths in order to cause turbulence in the air flow].

9. (Currently Amended) Apparatus according to claim 7, wherein the antimicrobial agent is coated on at least some of the internal surfaces of the filter (6a)[ and/or the air flow separating means (6b)].
10. (Currently Amended) Apparatus according to claim 8, wherein the antimicrobial agent is coated on at least some of the internal surfaces of the [filter and/or the air flow separating means]pre-sterilization section.
11. (New) A method according to claim 1, wherein the surfaces are coated with 3-(trimethoxysilyl)-propyl dimethyloctadecyl ammonium chloride.
12. (New) An apparatus according to claim 6, wherein the surfaces are coated with a quaternary amine group in a silane.
13. (New) A method according to claim 6, wherein the surfaces are coated with 3-(trimethoxysilyl)-propyl dimethyloctadecyl ammonium chloride.
14. (New) Apparatus for purifying air comprising components including a fan system, an air extraction vent, an air flow conditioning section, and an ultraviolet illumination section, said components being connected via ducting, where at least one of said conditioning section and said illumination section is coated with an antimicrobial agent.
15. (New) The apparatus of claim 14, wherein the air flow conditioning section further comprises a filter.
16. (New) The apparatus of claim 15, wherein the filter comprises activated charcoal, metal, or synthetic or natural fibers.

17. (New) The apparatus of claim 14, wherein the air flow conditioning section further comprises a fixed, multi-bladed directional fan.
18. (New) The apparatus of claim 14, wherein the air flow conditioning section further comprises fixed shaped or planar members positioned at an angle to the air flow.
19. (New) The apparatus of claim 14, wherein the surfaces are coated with a quaternary amine group in a silane.
20. (New) The apparatus of claim 14, wherein the surfaces are coated with 3-(trimethoxysilyl)-propyl dimethyloctadecyl ammonium chloride.